

SYSTEMS AND METHODS FOR PROVIDING
AUTONOMOUS PERSISTENT STORAGE SYSTEMS

Abstract of the Disclosure

Systems, methods and services for generating autonomous
5 persistent storage systems that are self-configurable and
self-managing, based on user-submitted entity definitions.
For example, systems and methods are provided for
automatically creating and updating persistent storage
structures based on entity definitions, automatically
10 populating persistent storage space with instance data of
defined entities, automatically generating and adapting
methods for accessing instance data in persistent storage,
searching instance data and automatically optimizing search
methods for instance data, and automatically creating and
15 managing a cache of frequently accessed instance data.